From the INTERNATIONAL SEARCHING AUTHORITY

To: JOHN C. JR. DONCH	PCT		
VOLPE AND KOENIG, P.C. 30 SOUTH 17TH STREET UNITED PLAZA, SUITE 1600 PHILADELPHIA, PA 19103	NOTIFICATION OF TRANSMITTAL OF AM/THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION		
FEB 11 200!	(PCT Rule 44.1)		
VOLPE & KOEN	Date of Mailing (day had nih/year) 09 FEB 2005		
Applicant's or agent's file reference I-2-0424.1WO	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US04/01502  International filing date (day/month/year)  21 January 2004 (21.01.2004)			
Applicant INTERDIGITAL TECH . JLOGY CORPORATION			
The applicant i eby notified that the international search	h : ~ is been established in a smitted herewith.		
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clai	ms of the international application (see Rule 46):		
When? The time limit for filing such amendments is a international search report.	normally two months from the date of transmittal of the		
Where? Directly to the International Bureau of WIPO, 1211 Geneva 20, Switzerland, Facsimile No.:			
For more detailed instructions, see the notes on the ac-	companying sheet.		
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.			
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Reminders			
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
	s (or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the app Volume II, National Chapters and the WIPO Internet site.	olicable time limits, Office by Office, see the PCT Applicant's Guide,		
Name and mailing address of the ISA/US	Authorized officer / YMAN		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450	Kenneth Vasiderphye Wylmia )		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. 305-4700		
Form PCT/ISA/220 (April 2002)	(See notes on accompanying sheet		

DOCKETED FOR 3/9/05-Abstract comments Due 3/11/05-5705 PTE Due

### From the INTERNATIONAL SEARCHING AUTHORITY

RECE	IVED DOT		
JOHN C. JR. DONCH VOLPE AND KOENIG, P.C.	1 2005 NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT		
UNITED PLAZA, SUITE 1600 PHILADELPHIA, PA 19103	THE INTERNATIONAL SEARCH REPORT		
VOI DE R. K	OENIG, P.COR THE DECLARATION (PCT Rule 44.1)		
VOLI L Q IN	(PCT Rule 44.1)		
	Date of Mailing (day/month/year) 09 FEB 2005		
Applicant's or agent's file reference I-2-0424.1WO	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No. PCT/US04/01502	International filing date (day/month/year) 21 January 2004 (21.01.2004)		
Applicant INTERDIGITAL TECHNOLOGY CORPORATION			
The applicant is hereby notified that the international search	shower has been established and is transmitted heresyith		
Filing of amendments and statement under Article 19:			
The applicant is entitled, if he so wishes, to amend the claim  When? The time limit for filing such amendments is	ims of the international application (see Rule 46): normally two months from the date of transmittal of the		
international search report.			
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.			
For more detailed instructions, see the notes on the ac-	ecompanying sheet.		
2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith.	h report will be established and that the declaration under		
3. With regard to the protest against payment of (an) additi	ional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has bee	en transmitted to the International Bureau together with the protest and the decision thereon to the designated Offices.		
no decision has been made yet on the protest; the app			
4. Reminders			
applicant wishes to avoid or postpone publication, a notice of wit	nal application will be published by the International Bureau. If the hdrawal of the international application, or of the priority claim, must and 90 bis.3, respectively, before the completion of the technical		
examination must be filed if the applicant wishes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for		
In respect of other designated Offices, the time limit of 30 month	s (or later) will apply even if no demand is filed within 19 months.		
See the Annex to Form PCT/IB/301 and, for details about the ap Volume II, National Chapters and the WIPO Internet site.	plicable time limits, Office by Office, see the PCT Applicant's Guide,		
Name and mailing address of the ISA/US	Authorized officer ZMAN		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Authorized officer  Kenneth Vanderphye WY November 7 Telephone No. 305-4700		
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 305-4700		
Facsimile No. (703) 305-3230 Form PCT/ISA/220 (April 2002)	(See notes on accompanying shee.		

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	olicant's or agent's file reference 0424.1WO	FOR FURTHER ACTION		cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5		
	rnational application No. I/US04/01502	International filing date (day/m 21 January 2004 (21.01.2004)		(Earliest) Priority Date (day/month/year) 21 January 2003 (21.01.2003)		
	Applicant INTERDIGITAL TECHNOLOGY CORPORATION					
appl	s international search report has be licant according to Article 18. A	copy is being transmitted to the In				
This	s international search report consis	its of a total of sheets.  ied by a copy of each prior art do	cument cite	d in this report.		
1.		e, the international search was carried, unless otherwise indicated unde		e basis of the international application in the		
	Authority (Rule 23.1(b)). b. With regard to any nucleoti			ne international application furnished to this		
	contained in the internation	onal application in written form.				
	filed together with the int	ernational application in computer	readable for	m.		
	furnished subsequently to this Authority in written form.					
	furnished subsequently to	furnished subsequently to this Authority in computer readable form.				
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
	the statement that the info	ormation recorded in computer reac	lable form is	s identical to the written sequence listing has		
2.	Certain claims were fou	nd unsearchable (See Box I).				
3.	Unity of invention is lac	king (See Box II).				
4.	With regard to the title,					
	the text is approved as su					
	the text has been establish	ned by this Authority to read as foll	lows:			
5.	With regard to the abstract,					
	the text is approved as su	bmitted by the applicant.				
		<del>-</del>		ty as it appears in Box III. The applicant rch report, submit comments to this		
6.	The figure of the drawings to be	published with the abstract is Figur	e No. <u>13C</u>			
	as suggested by the applic	cant.		None of the figures		
	because the applicant fail	ed to suggest a figure.				
	because this figure better	characterizes the invention.				

Form PCT/ISA/210 (first sheet) (July 1998)

### INTERNATIONAL SEARCH REPORT

International application No.

	PCT/US04/01502	
Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the fir	rst sheet)	
A method for scheduling RRM procedures in a wireless communication system begins by receiving at least one trigger (204), each trigger being associated with at least one RRM procedure (700). A radio link is placed into a busy state, whereby the radio link is accessible only by a currently executing RRM procedure. The RRM procedure is performed on the radio link, and a set of predicted measurements is prepared for use by the other RRM procedures. The radio link is placed into an idle state, whereby the radio link is accessible by any RRM procedure.		

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/01502

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : H04Q 7/00  US CL : 370/328  According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/328, 310; 455/422.1,403, 414.1				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.	
A,E	US 2004/0166835 A1 (Johansson et al), 26 August	2004, abstract, col 1 lines 16-24.	1-3, 9	
A,E	US 2004/0132441 A1 (Livet et al), 08 July 2004, abstract, col 1 lines 14-21, col 3 lines 9- 46			
		See notant family appay		
	r documents are listed in the continuation of Box C.	See patent family annex.  "T" later document published after the inte	mational filing date or priority	
			ation but cited to understand the	
•	oplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone		
establish specified)	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents.			
"P" document	t published prior to the international filing date but later than the	"&" document member of the same patent		
	actual completion of the international search	Date of mailing of the international sea		
22 December 2004 (22.12.2004)  Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US  Commissioner for Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450  Telephone No. 305-4760				
	ailing address of the ISA/US il Stop PCT, Attn: ISA/US	Authorized officer	· Lassan	
Cor	nmissioner for Patents  D. Box 1450	Kenneth Vanderpuye	to Some	
Alexandria, Virginia 22313-1450  Facsimile No. (703) 305-3230  Telephone No. 305-4760				

From the INTERNATIO	NAL SEARCH	IING AUTH	IORITY			
INTERNATIONAL SEARCHING AUTHORITY  To: JOHN C. JR. DONCH VOLPE AND KOENIG, P.C. 30 SOUTH 17TH STREET		PCT				
UNITED PLA	UNITED PLAZA, SUITE 1600 PHILADELPHIA, PA 19103				ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY	
				(PCT Rule 43bis.1)		
		·		Date of mailing (day/month/year)	<b>09</b> FEB 2005	
Applicant's or	r agent's file re	eference	-	FOR FURTHER ACTION See paragraph 2 below		
I-2-0424.1W0						
International	application No	•	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US04/0			21 January 2004 (21.01		21 January 2003 (21.01.2003)	
International 1	Patent Classific	cation (IPC)	or both national classifica	tion and IPC		
	Q 7/00 and US	Cl.: 370/32	8			
Applicant						
INTERDIGIT	TAL TECHNO	LOGY COR	RPORATION			
1. This opin	nion contains ir	ndications re	lating to the following iter	ns:		
В В	Box No. I Basis of the opinion					
💹 в	Box No. II Priority					
В	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			entive step and industrial applicability		
	Box No. IV Lack of unity of invention					
B	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
B	Box No. VI Certain documents cited					
В	ox No. VII	Certain des	fects in the international ap	ıl application		
В	Box No. VIII Certain observations on the international application					
2. FURTH	IER ACTIO	N				
Internation Authority	onal Prelimina y other than th	ry Examini is one to be	ng Authority ("IPEA") e	xcept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1bis(b) dered.	
IPEA a mailing o	written reply of Form PCT/I	together, wl SA/220 or b	nere appropriate, with an efore the expiration of 22	nendments, before t	PEA, the applicant is invited to submit to the he expiration of 3 months from the date of ority date, whichever expires later.	
For furth	ner options, see	Form PCT	/ISA/220.			
3. For furth	ner details, see	notes to For	m PCT/ISA/220.			
Name and ma	ailing address o	of the ISA/ U	JS	Authorized office		
Mai Com	l Stop PCT, Attr nmissioner for Pa	n: ISA/US		Kenneth Vander	Trouse Jugenio Johan	
P.O. Box 1450 Alexandria, Virginia 22313-1450				Telephone No. 3	305-4700	

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/01502

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In mand subsequently to this Additively for the purposes of section.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/01502

Box 1	No. II Priority
1.	The following document has not yet been furnished:
	copy of the earlier application whose priority has been claimed (Rules 43bis.1 and 66.7(a)).
	translation of the earlier application whose priority has been claimed (Rules 43bis. 1 and 66.7(b)).
	Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.
2.	This opinion has been established as if no priority has been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.
In the with Author document of the document of the with document of the docume	onal observations, if necessary:  he event a copy of the non-US filed priority document is not furnished to this authority because the applicant fails to comply  PCT Rule 17.1 or the document is not available to this Authority from a digital library, the applicant is invited to provide this  pority with a copy of said document. The applicant is also invited to provide a translation of said document into English (if the  ment is not in English) within two months from the date of mailing of this written opinion. If this Authority is not provided  a copy of said non-US filed priority document and the applicant fails to comply with PCT Rule 17.1 and the priority  ment is not available to this Authority from a digital library and/or an English translation of said document, if it is not in  sits, is not provided to this Authority within the time period set forth above or by the time this Authority begins to draw up  written opinion (WO) of the International Preliminary Examining Authority (IPEA) or the International Preliminary Report on  nability (IPRP) of the IPEA, any said WO or IPRP of the IPEA may be established as if the priority had not been claimed.

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/01502

Form PCT/ISA/237 (Box No. V) (Jamary 2004)

### NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

# The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- 1. [Where originally there were 48 claims and after amendment of some claims there are 51]: "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- 2. [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

### "Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1))

The statement will be published with the international application and the amended claims.

### It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

#### Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

### Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see the PCT Applicant's Guide, Volume II.

### NOTESTOFORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

### Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

### What documents must/may accompany the amendments?

### Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.